



## SEQUENCE LISTING

<110> Barber, Jack  
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Immusol Incorporated

<120> Gene Functional Analysis and Discovery Using Randomized or  
Target-Specific Ribozyme Gene Vector Libraries

<130> 016556-00300US

<140> US 09/355,221

<141> 1999-07-23

<150> US 60/037,352

<151> 1997-01-23

<150> WO PCT/US98/01196

<151> 1998-01-21

<160> 14

<170> PatentIn version 2.1

<210> 1

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:5' primer

<400> 1

gggtaatacg actcactata gggatcctcg atgaagc

37

<210> 2

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<223> Description of Artificial Sequence:3' Synth primer

<220>

<221> misc\_feature

<222> (1)..(76)

<223> n = g, a, c or t

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tcgacgcgta ccaggtaata taccacaacg tgtgtttctc tggtnnnntt ctnnnnnnng

60

cttcacgcgag gatccc

76

<210> 3

<211> 44

<212> DNA

<213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:3' primer  
  
 <400> 3  
 tcgacgcgta ccaggtaata taccacaacg tgtgtttctc tggg 44  
  
 <210> 4  
 <211> 44  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:3' disabeled primer  
  
 <400> 4  
 tcgacgcgta ccaggtaata taccacaacg tgtgacgctc tggg 44  
  
 <210> 5  
 <211> 44  
 <212> DNA  
 <213> Artificial Sequence  
  
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 <223> Description of Artificial Sequence:3'-AAV-ITR primer  
  
 <400> 5  
 aggaagatct ctggcgcgct cgctcgctca ctgaggccgc ccgg 44  
  
 <210> 6  
 <211> 81  
 <212> DNA  
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 <223> Description of Artificial Sequence:tRNA-ribozyme lib  
 PCR primer (tRNA-Rz lib primer)  
  
 <220>  
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 <222> (1)..(81)  
 <223> n = g, a, c or t  
  
 <400> 6  
 taccaggtaa tataccacaa cgtgtgttct tctggtnnnb ttctnnnnnn ntggatcctg 60  
 tttccgcccg gtttcgaacc g 81  
  
 <210> 7  
 <211> 41  
 <212> DNA  
 <213> Artificial Sequence  
  
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 <223> Description of Artificial Sequence:5'-AAV-ITR primer  
  
 <400> 7  
 aggaagatct cagcagctgc gcgctcgctc gctcactgag g 41

<210> 8  
 <211> 47  
 <212> RNA  
 <213> Artificial Sequence

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 <222> (1)..(11)  
 <223> n = g, a, c or u

<400> 8  
 nnnagaabnn naccagagaa acacacguug ugguauauua ccuggua

47

<210> 9  
 <211> 11  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:self-cleaved  
 auto-catalytic ribozyme sequence

<220>  
 <221> misc\_feature  
 <222> (1)..(11)  
 <223> n = g, a, c or u

<400> 9  
 uacccccnnb n

11

<210> 10  
 <211> 15  
 <212> RNA  
 <213> Artificial Sequence

<220>  
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 auto-catalytic ribozyme sequence

<220>  
 <221> misc\_feature  
 <222> (1)..(15)  
 <223> n = g, a, c or u

<400> 10  
 nnnnnnnnaga avnnn

15

<210> 11  
 <211> 15  
 <212> RNA  
 <213> Artificial Sequence

<220>  
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 ribozyme ligated to cleavage product

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 <222> (1)..(15)  
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 nnnbngucnn nnnnn

15

<210> 12  
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 <212> RNA  
 <213> Artificial Sequence

<220>  
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 target specific ribozyme

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 <222> (1)..(21)  
 <223> n = g, a, c or u

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 uacccccnnb ngucnnnnnn n

21

<210> 13  
 <211> 11  
 <212> RNA  
 <213> Artificial Sequence

<220>  
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 <221> misc\_feature  
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 <223> n = g, a, c or u

<400> 13  
 nnnbngucnn n

11

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 <212> RNA  
 <213> Artificial Sequence

<220>  
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 target cleavage site

<220>  
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 nnnbngucnn nnnnnn

16